



WO 99/50406

PCT/US99/07185

1/7

71.3% identity in 376 nt overlap; init: 76, opt: 608

```

      10      20      30      40      50      60
- hGDF GTTGGAGAAGTAAGAAGGAACGCATCTCTCTGCGCAGTCTTCTTTCTAAAGGTCTGGG
- hGDF CTTGGGAGAACTAGTGAGGAACATATTTCTCCATGCGCAGTCTCTCTCTAAAGGOCAGGA
      10      20      30      40      50      60

      70      80      90      100     110
- hGDF AGGCCCTGCGGTGGTC-CTTAAATAAAATCTAGGTGT--GGAAGACTGACTTCACTTCT
- hGDF AGAGCCTAGCTTGGTCTCTCTAAATAAAATTTTCAGGTGTGTGGGTGGACTACGGTCACTTCT
      70      80      90      100     110     120
                                GATA-1      X-Box
      120     130     140     150     160     170
- hGDF GTAATCAGACCTCAAGCATGCCTAGCTGTACATTGTTTCTTATCAGCTCTACAGCAGTCA
- hGDF GTAATCAGGCCTCAAGTATGCCTAGCTGAAGATT-----TTATCAGCTCTATATCAAGCA
      130     140     150     160     170
                                Oct-1
      180     190     200     210     220     230
- hGDF GCTGACAAACACGGTATTTATCCATTGTTCTCATTAGATACAGATTATCTACTTATTT
- hGDF GCTGATAACACCTTATTTAGCCAAATTTGT--TAATTAGATACAGATTACTTGGTTATTT
      180     190     200     210     220     230

      240     250     260     270     280     290
- hGDF GGTCTTCTTTCCCTGTTTCTCTGACATTATTTCAAACCCACCAAGTATGTCACCTT
- hGDF AGCTTTC-CTCTCT-TTTCCTCTGG-CATTTACGTAAAACCC-----GTTACTGTTACACT
      240     250     260     270     280

      300     310     320     330     340     350
- hGDF AGTGGACTACTTATATAGGTGAGAGCCCAACAGAAACCCCAAGGA-ATTATAAAACAAAC
- hGDF ACOGGACTAACTATGTAGCTGAAGTCTAAGATAAATTGAGGAATGATCTTAAATAAAAT
      290     300     310     320     330     340

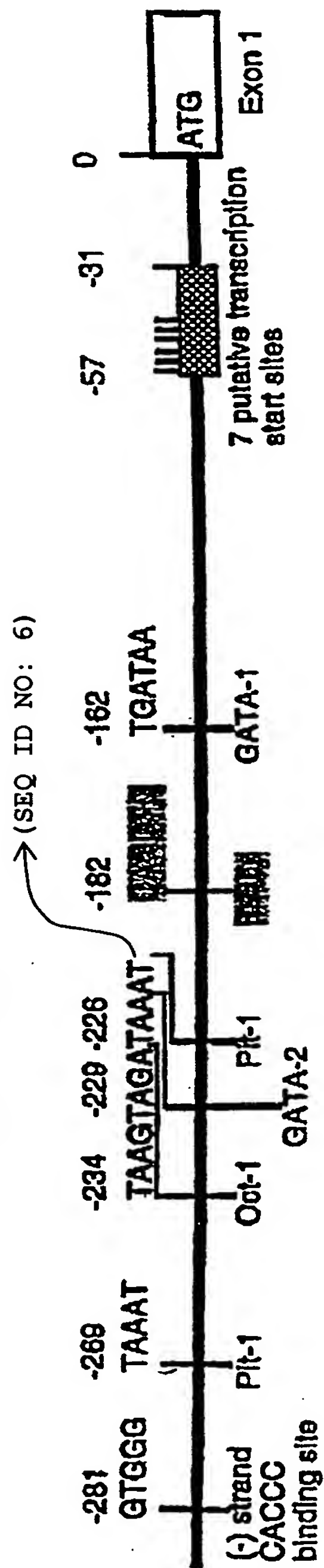
      360     370
- hGDF CTCTTAGGGCTGGAGA (SEQ IN NO: 2)
- hGDF CTCTCATTTTGTGAGA (SEQ ID NO: 3)
      350     360

```

5'

Figure 1

mGDF-9 5' Flanking Region



mZP3 5' Flanking Region *

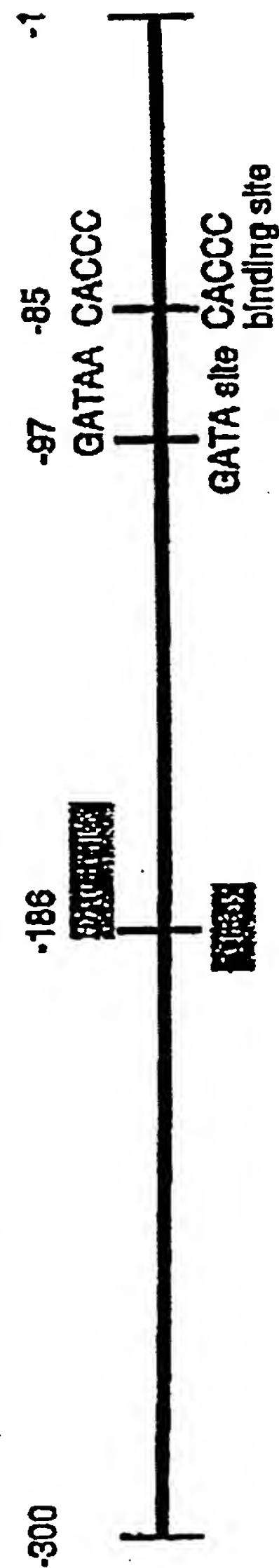


Figure 6